

## ABSTRACT

### **A MULTIPLEXING DEVICE, A DEMULTIPLEXING DEVICE, AND A MULTIPLEXING/DEMULITPLEXING SYSTEM**

The invention relates to a multiplexing device comprising a data compressor. The compressed data block leaving said compressor occupies a particular bandwidth.

According to the invention, a bandwidth prediction unit calculates said bandwidth and deduces from it the available bandwidth for conveyance in a time space dedicated to Internet traffic.

The invention also relates to a multiplexing device and a multiplexing/demultiplexing system.

Particular application in a satellite telecommunication system.

FIG. 18